

~~Top Secret~~

25X1



NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

PHOOTOGRAPHIC
INTERPRETATION
REPORT

**FIRST IDENTIFICATION OF
PROBABLE SS-18 REENTRY VEHICLE
IMPACT CRATERS, USSR**

~~Top Secret~~

25X1

25X1

MAY 1975

PIR-018/75

21

209065/1

Warning Notice
Sensitive Intelligence Sources and Methods Involved

NATIONAL SECURITY INFORMATION
Unauthorized Disclosure Subject to Criminal Sanctions



25X1

Top Secret RUFF

25X1

25X1

FIRST IDENTIFICATION OF PROBABLE SS-18 REENTRY VEHICLE IMPACT CRATERS, USSR

1. [redacted] 13 new impact craters, probably made by reentry vehicles from two separate SS-18 (Mod 2) ICBMs, were identified on Kamchatka Peninsula (Figure 1). This was the first identification of probable SS-18 reentry vehicle impact craters.

25X1

2. Seven of these craters were within Poluostrov Kamchatka Impact Area 1 [redacted]. Six of these seven (craters 1-5 and 7) were clustered within a 3.0-nautical-mile (nm) radius of 57-22-30N 161-43-00E (Figure 2). An instrumentation tower was 2.5 nm east of these coordinates (Figure 1). Crater 6 (Figure 3) was 9.7 nm north of the cluster of six. Crater 8 (Figure 3) was 26.0 nm to the south-southwest, in Poluostrov Kamchatka Missile Impact Area 2 [redacted]. A second instrumentation tower was 0.7 nm west-northwest of crater 8 (Figure 1). Crater 9 (Figure 4) was 19.5 nm northwest of the cluster of six. A third instrumentation tower (not shown in Figure 1) was 4.9 nm west of crater 9. Crater 10 (Figure 4) was 12.5 nm northeast of the cluster of six; crater 11 (Figure 4) was 14.5 nm to the southeast; crater 12 (Figure 4) was 18.0 nm to the southeast; and crater 13 (Figure 5) was 24.0 nm to the south-southwest.

25X1

25X1

3. Five aircraft were observed in the area of the impact craters (Figure 1). A HIP C helicopter was parked 250 feet east of crater 4 (Figure 5). A HOUND helicopter was parked 1,000 feet west of crater 9. Three COLT light-transport aircraft were observed in flight within the impact area. One was 3.1 nm north-northwest of the cluster of six craters; one was within 2 nm south of crater 12; another was within 1 nm northeast of crater 13.

4. An SS-18 (Mod 2) ICBM was fired from the Tyuratam Missile/Space Test Center SSM (BE [redacted] to Kamchatka [redacted] at about 2350Z.¹ The time of the photography on [redacted] was 0120Z. Another SS-18 (Mod 2) ICBM was fired from Tyuratam to Kamchatka [redacted] at 0230Z.²

25X1

25X1

25X1

5. Locations and dimensions of the craters are shown in Table 1. Ranges and azimuths are measured from the instrumentation tower at 57-23-13N 161-47-36E.

6. The 13 craters were not discernible [redacted]. The area of craters 8 and 13 [redacted] but the craters were not present.

25X1

25X1

Table 1. Locations and Dimensions of Craters (Crater numbers keyed to Figures 1-5)

Crater	Location	Range (ft)
1	57-23-45N 161-42-40E	16,575
2	57-22-03N 161-42-51E	17,695
3	57-23-46N 161-39-28E	26,940
4	57-24-44N 161-40-20E	25,645
5	57-21-42N 161-44-29E	13,770
6	57-32-06N 161-46-09E	55,145
7	57-22-35N 161-45-15E	8,625
8	56-57-57N 161-36-11E	158,375
9	57-35-57N 161-16-19E	[redacted]
10	57-33-28N 161-53-08E	64,880
11	57-13-25N 162-04-01E	[redacted]
12	57-09-16N 162-05-10E	[redacted]
13	56-58-31N 161-37-39E	[redacted]

25X1

25X1

25X1

25X1

25X1

Top Secret RUFF

25X1

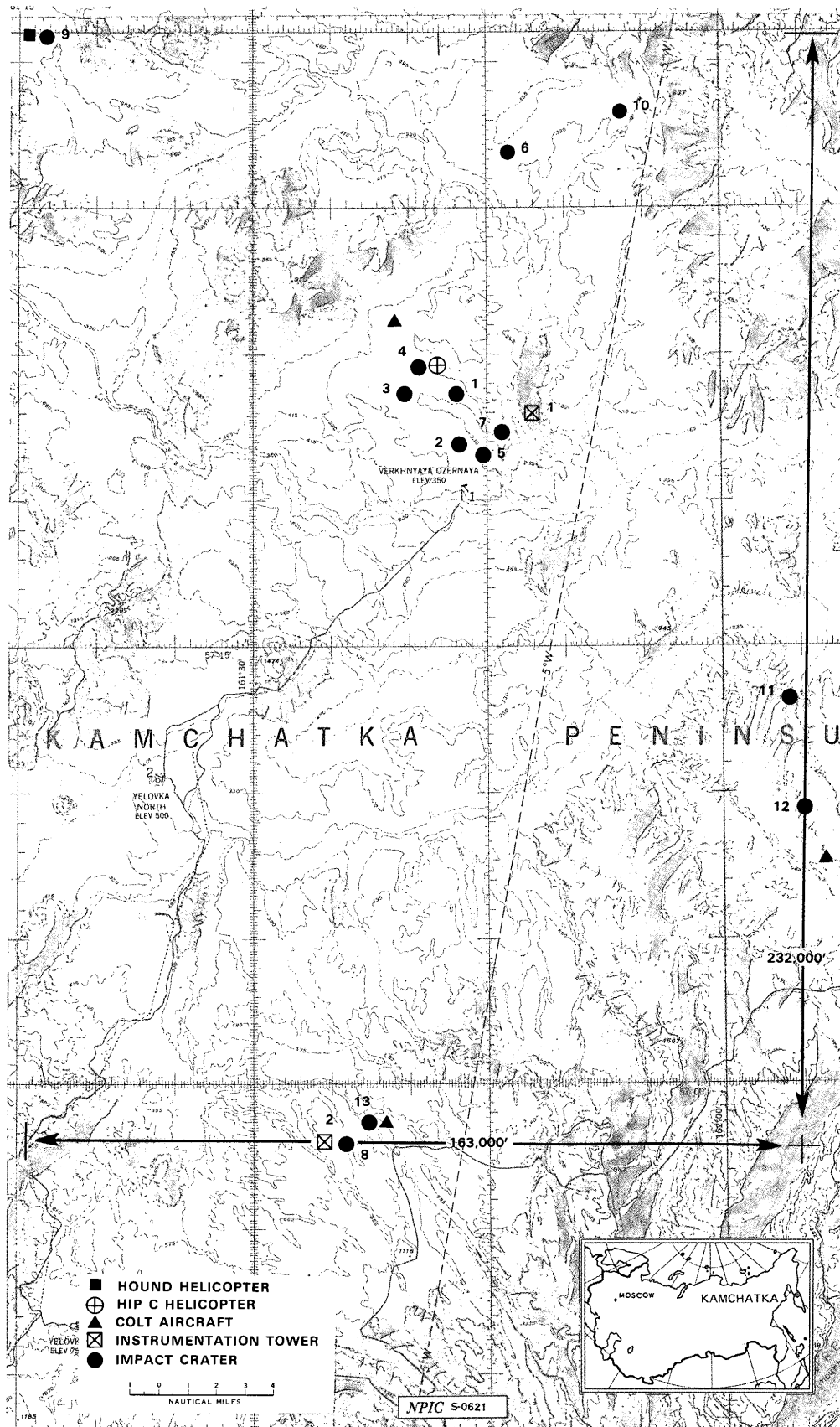


FIGURE 1. LOCATIONS OF PROBABLE SS-18 REENTRY VEHICLE IMPACT CRATERS, KAMCHATKA PENINSULA

- 2 -

Top Secret

25X1

Page Denied

Next 2 Page(s) In Document Denied

Top Secret RUFF

25X1

REFERENCES

DOCUMENTS

1. CIA. Daily Weapons Intelligence Summary No R212-74, 26 Dec 74 (TOP SECRET)
2. CIA. Daily Weapons Intelligence Summary No R206-74, 17 Dec 74 (TOP SECRET)

25X1
25X1
25X1

MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0132-19HL (SECRET)

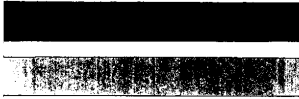
REQUIREMENT

Project 120903NA

25X1

25X1

Top Secret



Top Secret